Land Cover Investigation

Graminoid, Tree and Shrub Height Data Sheet

School Name: _____ Site: _____

Measurement Time: _____
Year Month Day Hour (UT)

Recorded By: _____

Clinometer Data

*Dominant Species _____ _____	Clinometer Reading (°)	TAN of Clinometer Reading	Distance from Tree (m)	Eye Height (m)	*Vegetation Height (m)	*Average Height (m)
Specimen 1.						
Specimen 2.						
Specimen 3.						
Specimen 4.						
Specimen 5.						

*Co-Dominant Species_____ _____	Clinometer Reading (°)	TAN of Clinometer Reading	Distance from Tree (m)	Eye Height (m)	*Vegetation Height (m)	*Average Height (m)
Specimen 1.						
Specimen 2.						
Specimen 3.						
Specimen 4.						
Specimen 5.						

Tree Height = (TAN of Clinometer Reading x Distance from Tree) + Eye Height

Note: Measure each tree three times and average the three height values. If all three values are within 1 meter of the average, report the values. If not, repeat the measurements until they are within 1 meter of their average, and then report these values.

* Use these columns for measuring the height of graminoids, shrubs, and dwarf-shrubs. Use all the columns if you use your clinometer to measure height.